

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	357	irrever\$7 with (data file document information) with (code key number)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:44
L2	66	irrever\$7 with (data file document information) with (code key number) and (encrypt\$3 encod\$3 scrambl\$3 encipher\$3) with key with (identification\$1 identi\$5 indicator\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:46
L3	36	irrever\$7 with (data file document information) with (code key number) and (encrypt\$3 encod\$3 scrambl\$3 encipher\$3) with key with (identification\$1 identi\$5 indicator\$1) and random with generat\$3 with key\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:47
L4	36	irrever\$7 with (data file document information) with (code key number) and (encrypt\$3 encod\$3 scrambl\$3 encipher\$3) with key with (identification\$1 identi\$5 indicator\$1) and random\$2 with generat\$3 with key\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:51
L5	4	380/277.ccls. and irrever\$7 with (data file document information) with (code key number) and (encrypt\$3 encod\$3 scrambl\$3 encipher\$3) with key with (identification\$1 identi\$5 indicator\$1) and random\$2 with generat\$3 with key\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:52
L6	1	380/46.ccls. and irrever\$7 with (data file document information) with (code key number) and (encrypt\$3 encod\$3 scrambl\$3 encipher\$3) with key with (identification\$1 identi\$5 indicator\$1) and random\$2 with generat\$3 with key\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:52
L7	263	705/60-62.ccls. and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:54

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L8	2	7 and 1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:55
L9	3	(generat\$3 creat\$3) with "forgery-proof" with (document\$1 data record\$1).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:08
L10	69	(generat\$3 creat\$3) with random with key adj information.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:09
L11	2	checking adj (station\$1 unit\$1) and (generat\$3 creat\$3) with random with key adj information.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:10
L12	1	form\$3 with encrypted adj checking adj information with key with indicator.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:10
L13	141197	encrypt\$3 with key adj information with contact aj station.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:11
L14	1	encrypt\$3 with key adj information with contact adj station.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:11
L15	0	stor\$3 with encrypted adj key adj information same transmit\$4 with different adj time.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:12
L16	0	stor\$3 with encrypted adj key adj information with transmit\$4 with different adj time.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:12
L17	2	transmit\$4 with key with different adj time.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:13

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L18	0	transmit\$4 with encrypted adj key with different adj time.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:13
L19	0	transmit\$5 with encrypted adj key\$1 with different adj time.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:13
L20	0	combin\$3 with data with key with irreversibly with document.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:14
L21	0	combin\$3 with data with key with irreversibly.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:14
L22	0	combin\$3 same data same key same irreversibly.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:14
L23	0	(combin\$3 same data same key same irreversibly).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 11:14
S5	8	meyer.in. and forgery adj proof	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 14:40
S6	7	lang.in. and forgery adj proof	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 14:52
S10	735	380/46.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:04
S11	534	380/46.ccls. and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 13:08

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S12	349	380/46.ccls. and key\$1 with (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:23
S13	0	380/46.ccls. and forgery adj proof\$3 and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:07
S14	367	380/46.ccls. and (third third adj part\$3 intermediat\$6) and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:24
S15	140	380/46.ccls. and (third third adj part\$3 intermediat\$6) with (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:32
S16	475324	380/46.ccls. and (third third adj part\$3 intermediat\$6) and forg\$3 (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:32
S17	32	380/46.ccls. and (third third adj part\$3 intermediat\$6) and forg\$3 and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:49
S18	0	380/46.ccls. and IRREVERSI\$5 ADJ LINK\$3 and forg\$3 with document\$1 and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:49
S19	1	IRREVERSI\$5 ADJ LINK\$3 and forg\$3 with document\$1 and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 15:51
S20	541	forg\$3 with document\$1 and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:45
S21	21	Irrevers\$5 and forg\$3 with document\$1 and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 16:36

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S22	19	("3829133" "4588211" "4614362" "4637634" "4948094" "4948174" "5044668" "5321765" "5341428" "5342094" "5383685" "5384846" "5432506" "5509692" "5524073" "5673320" "5754653" "5799092" "6233340").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 15:54
S23	246	forg\$3 and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and monetary adj value\$1 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 16:38
S24	203	forg\$3 and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and monetary adj value\$1 and (decrypt\$3 decod\$3 descrambl\$3 decipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 16:56
S26	8	("5765176" "5781654" "6091835" "6549624" "6628837" "6768560" "6862113" "7007303").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 17:03
S30	2	"9826385"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/15 17:07
S31	349	380/46.ccls. and key\$1 with (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 13:53
S32	114	380/46.ccls. and (generat\$3 creat\$3) near key\$1 with (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 13:47
S34	8	380/46.ccls. and (airplane adj ticket\$1 ticket\$1) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:43
S35	37	authentic\$7 with document\$1 and cryptograph\$6 adj (unit\$1 modul\$2) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:35

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S36	45543	INTERNATIONAL adj BUSINESS adj MACHINES adj CORPORATION.as. and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:39
S37	1	S36 and forgery adj proof	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:37
S38	2	S36 and postage and monetary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:38
S39	9	DEUTSCHE adj POST adj AG .as. and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:39
S40	9	DEUTSCHE adj POST adj AG.as. and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:41
S41	11	"0741374"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:41
S42	566	(portal postage) and monetary and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:47
S43	500	(portal postage) and monetary and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and key\$1 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:47
S44	381	(portal postage) and monetary and (decrypt\$3 decod\$3 decipher\$3 descrambl\$3) and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and key\$1 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:48

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S45	334	(portal postage) and monetary and authentica\$7 and (decrypt\$3 decod\$3 decipher\$3 descrambl\$3) and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and key\$1 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 14:48
S46	52	(portal postage) and monetary adj value\$1 and authentica\$7 and (decrypt\$3 decod\$3 decipher\$3 descrambl\$3) and (encrypt\$3 scrambl\$3 encod\$3 encipher\$3) and key\$1 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 15:42
S47	6	digital adj postage adj indicia and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 16:24
S48	247	705/60-62.ccls. and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/09/25 10:54
S49	225	705/60-62.ccls. and (encrypt\$3 encipher\$3 encod\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 16:24
S50	113	705/60-62.ccls. and (encrypt\$3 encipher\$3 encod\$3 scrambl\$3) and random and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 16:25
S51	3	705/60-62.ccls. and (encrypt\$3 encipher\$3 encod\$3 scrambl\$3) and random near key\$1 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 16:28
S52	61	713/153-155.ccls. and (encrypt\$3 encipher\$3 encod\$3 scrambl\$3) and random near key\$1 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 16:39
S53	38	713/153-155.ccls. and (postal postage) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 17:11

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S54	97	postal adj service\$1 and encrypt\$3 and authenti\$8 and frank\$3 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 17:12
S55	48	random and postal adj service\$1 and encrypt\$3 and authenti\$8 and frank\$3 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 17:13
S56	317	coward.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 17:13
S57	8	coward.in. and postal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/16 17:13
S58	9	random near key\$1 and postal adj service\$1 and encrypt\$3 and authenti\$8 and frank\$3 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:17
S59	163	frank\$3 adj system and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:18
S60	59	frank\$3 adj system and (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:22
S61	617	frank\$3 and posta\$3 and (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:22
S62	173	frank\$3 and posta\$3 and authentica\$6 and (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:22
S63	96	frank\$3 and posta\$3 and authentica\$6 and random and (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:23

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S64	26	frank\$3 and posta\$3 and authentica\$6 and random with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:40
S65	62	posta\$3 and random near key\$1 with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:41
S66	5320	pitney adj bowes.as. and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:42
S67	2	pitney adj bowes.as. and random near key\$1 with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 10:03
S68	316	pitney adj bowes.as. and key\$1 with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:45
S69	252	pitney adj bowes.as. and stor\$3 and key\$1 with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 09:45
S70	90	pitney adj bowes.as. and stor\$3 and random and key\$1 with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:50
S71	10	("4527798" "4641346" "4641347" "4725718" "4775246" "4802218" "4831555" "4853961" "5812666" "6002769").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/24 13:55
S72	62	(franking adj (system unit) posta\$4)and random near key\$1 with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:01

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S73	57	("3651511" "3956615" "4277837" "4303904" "4454414" "4614861" "4630201" "4689478" "4766293" "4799156" "4859837" "4877950" "4906828" "4935962" "4968873" "4992646" "4992940" "5016274" "5030806" "5175416" "5221838" "5283819" "5297030" "5420405" "5440634" "5442791" "5448045" "5452352" "5453601" "5455407" "5459304" "5461217" "5465206" "5465291" "5475826" "5476259" "5478993" "5485510" "5506832" "5557518" "5590038" "5590197" "5671279" "5671280" "5677955" "5703949" "5715314" "5729594" "5742845" "5754772" "5768385" "5793966" "5809144" "5812668" "5889863" "5987132" "6072870").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/17 10:12
S74	94	"4458109"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 10:46
S75	40	"5987140"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 10:57
S76	13	"6058193"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 11:10
S77	2	"20010050990"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 11:10
S78	13875	(encrypt\$3 encod\$3 encipher\$3 scrambl\$3) with (tempora\$5 adj stor\$3 stor\$3) with (transmit\$4 send\$3 forward\$3 transfer\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:07

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S79	5228	random and (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) with (tempora\$5 adj stor\$3 stor\$3) with (transmit\$4 send\$3 forward\$3 transfer\$3) and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:07
S80	625	random and (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) with (tempora\$5 adj stor\$3 stor\$3) with (transmit\$4 send\$3 forward\$3 transfer\$3) with time and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:08
S81	94	random and (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (information packet file data frame content) with (tempora\$5 adj stor\$3 stor\$3) with (transmit\$4 send\$3 forward\$3 transfer\$3) with time and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:11
S82	294	stor\$3 with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (document information packet file data frame content) with (transmit\$4 send\$3 forward\$3 transfer\$3) with time and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:12
S83	24	stor\$3 near (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (document information packet file data frame content) with (transmit\$4 send\$3 forward\$3 transfer\$3) with time and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:40
S84	2	"20010050990"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:40
S85	45	"6009177"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:40
S86	0	pitney adj bowes.as. and crypt\$3 adj analysis\$3 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 12:50

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S87	32	crypt\$3 adj analysis\$3 and @ad<="20020313"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 13:52
S88	4	"6724894"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/11/17 13:52
S89	659	(intermedia\$4 center central) with (stor\$3 cach\$3 deposit\$3) with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:09
S90	1338	(intermedia\$4 center central third) with (stor\$3 cach\$3 deposit\$3) with (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:09
S91	4518	(intermedia\$4 center central third) same (stor\$3 cach\$3 deposit\$3) same (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:32
S92	1829	(transmit\$4 send\$3 transfer\$3) same (intermedia\$4 center central third) same (stor\$3 cach\$3 deposit\$3) same (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:12
S93	3	(transmit\$4 send\$3 transfer\$3) same (intermedia\$4 center central third) same (stor\$3 cach\$3 deposit\$3) same (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content) same (crypto cryptographic) adj (module unit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:20
S94	10	(transmit\$4 send\$3 transfer\$3) same (intermedia\$4 center central third) same (stor\$3 cach\$3 deposit\$3) same (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content) and (crypto cryptographic) adj (module unit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:29

EAST Search History

S95	26	"6560581"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:31
S96	90	"4800590"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:31
S97	43	(intermedia\$4 center central third) same (temporary) near2 (stor\$3 cach\$3 deposit\$3) same (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:33
S98	45	(intermedia\$4 center central third) same (temporary) near2 (stor\$3 cach\$3 deposit\$3 buffer\$3) same (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:39
S99	77	(temporary) near2 (stor\$3 cach\$3 deposit\$3 buffer\$3) same (encrypt\$3 encod\$3 encipher\$3 scrambl\$3) adj (data information packet frame content) same time	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:47
S100	2	"20020129238"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:53
S101	730	713/153.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 11:57
S102	15	encrypted same temporary adj storage.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/24 12:47
S103	10	("4527798" "4641346" "4641347" "4725718" "4775246" "4802218" "4831555" "4853961" "5812666" "6002769").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/24 13:55


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1 [Cryptography and data security](#)

 Dorothy Elizabeth Robling Denning
 January 1982 Book

Publisher: Addison-Wesley Longman Publishing Co., Inc.

 Full text available: [pdf\(19.47 MB\)](#) [Additional Information: full citation, abstract, references, cited by, index terms](#)

From the Preface (See Front Matter for full Preface)

Electronic computers have evolved from exiguous experimental enterprises in the 1940s to prolific practical data processing systems in the 1980s. As we have come to rely on these systems to process and store data, we have also come to wonder about their ability to protect valuable data.

Data security is the science and study of methods of protecting data in computer and communication systems from unauthorized disclosure ...

2 [sTeam: structuring information in team-distributed knowledge management in cooperative learning environments](#)

 August 2001 **Journal on Educational Resources in Computing (JERIC)**
Publisher: ACM Press

 Full text available: [pdf\(179.03 KB\)](#) [Additional Information: full citation, abstract, references, citings, index terms, review](#)

Learning is a socially embedded design process. But most of today's hypermedia systems fail to properly support the design-related and the social aspects of learning. Authoring and Web-publishing systems aim to support the authors design processes. Consequently, the activities of learners are confined to selecting and reading. Based on some fundamental reflections on the role of technology in learning processes, we conclude that top priority must be given to the construction of infrastructure ...


Keywords: cooperative learning, cooperative support, learner-centered approaches, sTeam (structuring information in a team), web-based learning and teaching

3 [Novel interfaces: Display-agnostic hypermedia](#)

Unmil P. Karadkar, Richard Furuta, Selen Ustun, YoungJoo Park, Jin-Cheon Na, Vivek Gupta, Tolga Ciftci, Yungah Park


August 2004 **Proceedings of the fifteenth ACM conference on Hypertext and hypermedia HYPERTEXT '04**

Publisher: ACM Press

Full text available:  [pdf\(551.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In the diversifying information environment, contemporary hypermedia authoring and filtering mechanisms cater to specific devices. Display-agnostic hypermedia can be flexibly and efficiently presented on a variety of information devices without any modification of their information content. We augment context-aware Trellis (caT) by introducing two mechanisms to support display-agnosticism: development of new browsers and architectural enhancements. We present browsers that reinterpret existing c ...

Keywords: context-aware trellis (caT), display-agnostic hypermedia, multi-device integrated dynamic activity spaces (MIDAS)

4 sTeam - Designing an integrative infrastructure for Web-based computer-supported cooperative learning 

 Thorsten Hampel, Reinhard Keil-Slawik


April 2001 **Proceedings of the 10th international conference on World Wide Web WWW '01**

Publisher: ACM Press

Full text available:  [pdf\(265.67 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: cooperation support, cooperative learning, learner-centered approaches, sTeam - structuring information in a team, web-based learning and teaching

5 Pen computing: a technology overview and a vision 

 André Meyer


July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(5.14 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)


This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

6 Technique for automatically correcting words in text 

 Karen Kukich

December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(6.23 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Research aimed at correcting words in text has focused on three progressively more difficult problems: (1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent word correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, grammar checking, natural-language-processing models, neural net classifiers, spell checking, spelling error detection, spelling error patterns, statistical-language models, word recognition and correction

7 Level set and PDE methods for computer graphics



David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press

Full text available: [pdf\(17.07 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#)

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

8 Network text editor (NTE): A scalable shared text editor for the MBone



Mark Handley, Jon Crowcroft
October 1997 **ACM SIGCOMM Computer Communication Review , Proceedings of the ACM SIGCOMM '97 conference on Applications, technologies, architectures, and protocols for computer communication SIGCOMM '97**, Volume 27 Issue 4

Publisher: ACM Press

Full text available: [pdf\(1.69 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

IP Multicast, Lightweight Sessions and Application Level Framing provide guidelines by which multimedia conferencing tools can be designed, but they do not provide specific solutions. In this paper, we use these design principles to guide the design of a multicast based shared editor, and examine the consequences of taking a loose consistency approach to achieve good performance in the face of network failures and losses.

9 Combinators for bidirectional tree transformations: A linguistic approach to the view-update problem



J. Nathan Foster, Michael B. Greenwald, Jonathan T. Moore, Benjamin C. Pierce, Alan Schmitt
May 2007 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 29 Issue 3

Publisher: ACM Press

Full text available: [pdf\(1.06 MB\)](#) Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)

We propose a novel approach to the *view-update problem* for tree-structured data: a domain-specific programming language in which all expressions denote bidirectional transformations on trees. In one direction, these transformations---dubbed *lenses*---map a concrete tree into a simplified abstract view; in the other, they map a modified abstract view, together with the original concrete tree, to a correspondingly modified concrete tree. Our design emphasizes both robustness and ea ...

Keywords: Bidirectional programming, Harmony, XML, lenses, view update problem

10 Artificial intelligence



Elaine Rich

January 1983 Book

Publisher: McGraw-Hill, Inc.

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [review](#)

The goal of this book is to provide programmers and computer scientists with a readable introduction to the problems and techniques of artificial intelligence (A.I.). The book can be used either as a text for a course on A.I. or as a self-study guide for computer professionals who want to learn what A.I. is all about.

The book was designed as the text for a one-semester, introductory graduate course in A.I. In such a course, it should be possible to cover all of the material in the boo ...

11 Secret key distribution protocol using public key cryptography

Amit Parnerkar, Dennis Guster, Jayantha Herath

October 2003 **Journal of Computing Sciences in Colleges**, Volume 19 Issue 1

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  [pdf\(74.93 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


This paper presents the description and analysis of a protocol, which uses hybrid crypto algorithms for key distribution. A triple DES with a 168-bit key is used to generate the secret key. This secret key is transferred with the help of public key cryptography. The authentication process is accomplished by using the message digest algorithm MD5. This protocol uses mutual authentication in which, both participants have to authenticate themselves via a third trusted certificate authority (CA). Th ...

12 The LOCKSS peer-to-peer digital preservation system

 Petros Maniatis, Mema Roussopoulos, T. J. Giuli, David S. H. Rosenthal, Mary Baker

February 2005 **ACM Transactions on Computer Systems (TOCS)**, Volume 23 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(715.30 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The LOCKSS project has developed and deployed in a world-wide test a peer-to-peer system for preserving access to journals and other archival information published on the Web. It consists of a large number of independent, low-cost, persistent Web caches that cooperate to detect and repair damage to their content by voting in "opinion polls." Based on this experience, we present a design for and simulations of a novel protocol for voting in systems of this kind. It incorporates rate l ...


Keywords: Rate limiting, digital preservation, replicated storage

13 Form management

 D. Tschritzis

July 1982 **Communications of the ACM**, Volume 25 Issue 7

Publisher: ACM Press

Full text available:  [pdf\(2.78 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper consists of three interrelated parts. In the first part forms are introduced as an abstraction and generalization of business paper forms. A set of facilities for the manipulation of forms and their contents is outlined. Forms can be created, stored, found, viewed in different media, mailed, and located by office workers. Data on forms can also be processed in a completely integrated way. The facilities are discussed both abstractly and in relation to a prototype ...


Keywords: database management, office modeling, office procedures

14 Report of the national workshop on internet voting: issues and research agenda 

C. D. Mote

May 2002 **Proceedings of the 2002 annual national conference on Digital government research dg.o '02**

Publisher: Digital Government Research Center

Full text available:  [pdf\(539.99 KB\)](#) Additional Information: [full citation](#)

15 Report of the national workshop on internet voting: issues and research agenda 

C. D. Mote

May 2000 **Proceedings of the 2000 annual national conference on Digital government research dg.o '00**

Publisher: Digital Government Research Center

Full text available:  [pdf\(539.99 KB\)](#) Additional Information: [full citation](#), [abstract](#)

As use of the Internet in commerce, education and personal communication has become common, the question of Internet voting in local and national elections naturally arises. In addition to adding convenience and precision, some believe that Internet voting may reverse the historical and downward trend of voter turnout in the United States. For these reasons President Clinton issued a memorandum in December 1999 requesting that the National Science Foundation examine the feasibility of online (In ...


16 On the encipherment of search trees and random access files 



R. Bayer, J. K. Metzger


March 1976 **ACM Transactions on Database Systems (TODS)**, Volume 1 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(1.30 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The securing of information in indexed, random access files by means of privacy transformations must be considered as a problem distinct from that for sequential files. Not only must processing overhead due to encrypting be considered, but also threats to encipherment arising from updating and the file structure itself must be countered. A general encipherment scheme is proposed for files maintained in a paged structure in secondary storage. This is applied to the encipherment of indexes or ...

Keywords: B-trees, cryptography, encipherment, indexed sequential files, indexes, paging, privacy, privacy transformation, protection, random access files, search trees; security

17 Use of nested certificates for efficient, dynamic, and trust preserving public key infrastructure 



Albert Levi, M. Ufuk Caglayan, Cetin K. Koc

February 2004 **ACM Transactions on Information and System Security (TISSEC)**, Volume 7 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(532.64 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

Certification is a common mechanism for authentic public key distribution. In order to obtain a public key, verifiers need to extract a certificate path from a network of certificates, which is called public key infrastructure (PKI), and verify the certificates on this path recursively. This is classical methodology. Nested certification is a novel

methodology for efficient certificate path verification. Basic idea is to issue special certificates (called nested certificates) for other certifica ...

Keywords: Digital certificates, key management, nested certificates, public key infrastructure

18 Preserving peer replicas by rate-limited sampled voting



Petros Maniatis, David S. H. Rosenthal, Mema Roussopoulos, Mary Baker, TJ Giuli, Yanto Muliadi

October 2003 **ACM SIGOPS Operating Systems Review , Proceedings of the nineteenth ACM symposium on Operating systems principles SOSP '03**, Volume 37 Issue 5

Publisher: ACM Press

Full text available: [pdf\(336.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The LOCKSS project has developed and deployed in a world-wide test a peer-to-peer system for preserving access to journals and other archival information published on the Web. It consists of a large number of independent, low-cost, persistent web caches that cooperate to detect and repair damage to their content by voting in "opinion polls." Based on this experience, we present a design for and simulations of a novel protocol for voting in systems of this kind. It incorporates rate limitation an ...

Keywords: digital preservation, rate limiting, replicated storage

19 Discussion paper: privacy-preserving distributed queries for a clinical case research network



Gunther Schadow, Shaun J. Grannis, Clement J. McDonald

December 2002 **Proceedings of the IEEE international conference on Privacy, security and data mining - Volume 14 CRPIT '14**

Publisher: Australian Computer Society, Inc.

Full text available: [pdf\(181.41 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present the motivation, use-case and requirements of a clinical case research network that would allow biomedical researchers to perform retrospective analysis on de-identified clinical cases joined across a large scale (nationwide) distributed network. Based on semi-join adaptive plans for fusion-queries, in this paper we discuss how joining can be done in a way that protects the privacy of the individual patients involved. Our method is based on a cryptographically strong keyed-hash algorit ...

Keywords: distributed databases, privacy, record linkage, semi-join

20 Distributed form management



Heikki Hämmäinen, Eero Eloranta, Jari Alasuvanto

January 1990 **ACM Transactions on Information Systems (TOIS)**, Volume 8 Issue 1

Publisher: ACM Press

Full text available: [pdf\(2.24 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)





An open architecture for distributed form management is described. The model employs object-orientation in describing organizational units as well as individual users as entities with uniform external interfaces. Each entity is represented by an autonomous user agent which operates on local and migrating forms. The form concept encapsulates data, layout, and rules into a unified object which is the basic unit of presentation, processing, storage,

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US Pat. 7237120 - Filed Oct 5, 2000 - Deutsche Post AG
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US Pat. 4239959 - Filed Mar 23, 1977 - General Kinetics Incorporated
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